Relevant to claim No.

1,2,



a. classification of subject matter IPC 7 C12Q1/70 C12Q1/68

C. DOCUMENTS CONSIDERED TO BE RELEVANT

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Category °

Х

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \ C12Q$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS, Sequence Search

Citation of document, with indication, where appropriate, of the relevant passages

WO 02/103043 A (VERMICON AG; BEIMFOHR,

Y	CLAUDIA; SNAIDR, JIRI) 27 December 2002 (2002-12-27) claims 2,4,8	,	54-56 41,42			
Х	WO 00/77259 A (BOSTON PROBES, 21 December 2000 (2000-12-21)	INC)	1,2, 54-56			
Υ	claims 46-48 page 5, paragraph 3 example 12		41,42			
х	WO 01/53316 A (E. & J. GALLO W 26 July 2001 (2001-07-26) the whole document	LO WINERY) 1,2, 54-56				
		-/				
	rther documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.			
"A" docum	ategories of cited documents : nent defining the general state of the art which is not idered to be of particular relevance	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or the invention.	the application but			
filing "L" docum which citation	nent which may throw doubts on priority claim(s) or h is cited to establish the publication date of another on or other special reason (as specified)	"X" document of particular relevance; the c cannot be considered novel or cannot involve an inventive step when the do "Y" document of particular relevance; the c cannot be considered to involve an inv	be considered to cument is taken alone laimed invention ventive step when the			
other "P" docum	nent referring to an oral disclosure, use, exhibition or r means nent published prior to the international filing date but than the priority date claimed	document is combined with one or mo ments, such combination being obvior in the art. "8" document member of the same patent	us to a person skilled			
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report			
:	2 March 2005	0 3 -08- 2005				
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (221 20) 240 2000 Tv 31 551 eoo ol	Authorized officer				
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Bellmann, A				

INTERNATIONAL SEARCH REPORT

Interponal Application No PCT/EP2004/010695

C.(Continu	Bilion) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JAMES S A ET AL: "Use of an rRNA internal transcribed spacer region to distinguish phylogenetically closely related species of the genera Zygosaccharomyces and Torulaspora" INTERNATIONAL JOURNAL OF SYSTEMATIC BACTERIOLOGY, SOCIETY FOR GENERAL MICROBIOLOGY, READING, GB, vol. 46, no. 1, January 1996 (1996-01), pages 189-194, XP002102425 ISSN: 0020-7713 the whole document	1,2, 54-56
X	WO 98/55649 A (CHIRON DIAGNOSTICS CORPORATION; SANDHU, GURPREET, S; KLINE, BRUCE, C) 10 December 1998 (1998-12-10) claims 1-5	1,2, 54-56
X	DE 199 34 510 A1 (VERMICON ENGINEERING & MICROBIOLOGY AG) 25 January 2001 (2001-01-25) claims 1,2,6,10,18	1,2, 54-56
P,X	WO 03/097868 A (MICROBIOGEN PTY LTD; BELL, PHILIP, JOHN, LIVINGSTON) 27 November 2003 (2003-11-27) claims 1,3,18,45 page 1 - page 2	1,2, 54-56
Ρ,Χ	WO 2004/063699 A (THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION; WANG, HUA; LUO, HONGLIA) 29 July 2004 (2004-07-29) page 1 - page 2	1,2, 54-56
Y	MORRISON L E ET AL: "Solution-phase detection of polynucleotides using interacting fluorescent labels and competitive hybridization" ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, NEW YORK, NY, US, vol. 183, no. 2, December 1989 (1989-12), pages 231-244, XP002113097 ISSN: 0003-2697 the whole document	41,42
A	BRETAGNE S ET AL: "DETECTION OF ASPERGILLUS SPECIES DNA IN BRONCHOALVEOLAR LAVAGE SAMPLES BY COMPETITIVE PCR" JOURNAL OF CLINICAL MICROBIOLOGY, WASHINGTON, DC, US, vol. 33, no. 5, May 1995 (1995-05), pages 1164-1168, XP000874668 ISSN: 0095-1137 the whole document	
	-/	



Interespond Application No PCT/EP2004/010695

Cidentify Collegion of document, with indication, where appropriate, of the reference passages A NOVAK R ET AL: "COMPETITIVE DNA HYBRIDIZATION IN MICROTIRE PLATES FOR CHICKEN ANAEMIA VIRUS" MOLECULAR AND CELLULAR PROBES, ACADEMIC PRESS LTD, GB, vol. 15, no. 1, February 2001 (2001-02), pages 1-11, XP001147365 ISSN: 0890-8508 the whole document A TORTORELO M L ET AL: "DIRECT ENUMERATION OF ESCHERICHIA COLI AND ENTERIC BACTERIA IN WATER, BEVERAGES ANS SPROUTS BY 165 RRNA IN SITU HYBRIDIZATION" FOOD MICROBIOLOGY, ACADEMIC PRESS LTD, LONDON, GB, vol. 17, no. 3, June 2000 (2000-06), pages 305-313, XP00107708 ISSN: 0740-0020 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "KD2317.pl Kluyveromyces delphensis Random Genomic Library Kluyveromyces delphensis Random Genomic Come KD2317, DNA sequence." XP002319768 retrieved from EBI accession no. EM PRD: 82303298 batabase accession no. BZ303298 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "CG0215.fl Candida glabrata Random Genomic Library Candida glabrata genomic clone CG0215, DNA sequence." XP002319769 retrieved from EBI accession no. EM PRD: 82393221 Database accession no. BZ293221			PC1/EP2004/010095
A NOVAK R ET AL: "COMPETITIVE DNA HYBRIDIZATION IN MICROTIRE PLATES FOR CHICKEN ANAEMIA VIRUS" MOLECULAR AND CELLULAR PROBES, ACADEMIC PRESS LTD, GB, vol. 15, no. 1, February 2001 (2001-02), pages 1-11, NP001147365 ISSN: 0890-8508 the whole document A TORTORELO M L ET AL: "DIRECT ENUMERATION OF ESCHERICHIA COLI AND ENTERIC BACTERIA IN WATER, BEVERAGES ANS SPROUTS BY 16S RRNA IN SITU HYBRIDIZATION" FOOD MICROBIOLOGY, ACADEMIC PRESS LTD, LONDON, GB, vol. 17, no. 3, June 2000 (2000-06), pages 305-313, XP001077708 ISSN: 0740-0020 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "KD2317.pl Kluyveromyces delphensis Random Genomic Library Kluyveromyces delphensis genomic clone KD2317, DNA sequence." XYP002319768 retrieved from EBI accession no. EM PRO:BZ303298 Database accession no. BZ303298 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "CG0215.fl Candida glabrata Random Genomic Library Candida glabrata genomic clone CG0215, DNA sequence." XYP002319769 retrieved from EBI accession no. EM PRO:BZ203221 Database accession no. BZ293221			I Polygant to claim No.
HYBRIDIZATION IN MICROTIRE PLATES FOR CHICKEN ANAEMIA VIRUS" MOLECULAR AND CELLULAR PROBES, ACADEMIC PRESS LTD, GB, vol. 15, no. 1, February 2001 (2001-02), pages 1-11, XP001147365 ISSN: 0890-8508 the whole document A TORTORELO M L ET AL: "DIRECT ENUMERATION OF ESCHERICHIA COLI AND ENTERIC BACTERIA IN WATER, BEVERAGES ANS SPROUTS BY 16S RRNA IN SITU HYBRIDIZATION" FOOD MICROBIOLOGY, ACADEMIC PRESS LTD, LONDON, GB, vol. 17, no. 3, June 2000 (2000-06), pages 305-313, XP001077708 ISSN: 0740-0020 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "KD2317.pl Kluyveromyces delphensis Random Genomic Library Kluyveromyces delphensis genomic clone KD2317, DNA sequence." XP002319768 retrieved from EBI accession no. EM PRO:BZ303298 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "CG0215.fl Candida glabrata Random Genomic Library Candida glabrata genomic clone CG0215, DNA sequence." XP002319769 retrieved from EBI accession no. EM PRO:BZ293221 DaTabase accession no. BZ293221 DaTabase accession no. BZ293221	Category °	Citation of document, with indication, where appropriate, or the relevant passages	nelevan to Gain vo.
OF ESCHERICHIA COLI AND ENTERIC BACTERIA IN WATER, BEVERAGES ANS SPROUTS BY 16S RRNA IN SITU HYBRIDIZATION" FOOD MICROBIOLOGY, ACADEMIC PRESS LTD, LONDON, GB, vol. 17, no. 3, June 2000 (2000-06), pages 305-313, XP001077708 ISSN: 0740-0020 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "KD2317.pl Kluyveromyces delphensis Random Genomic Library Kluyveromyces delphensis genomic clone KD2317, DNA sequence." XP002319768 retrieved from EBI accession no. EM PRO:BZ303298 DaTabase accession no. BZ303298 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "CG0215.fl Candida glabrata Random Genomic Library Candida glabrata genomic clone CG0215, DNA sequence." XP002319769 retrieved from EBI accession no. EM PRO:BZ293221 DaTabase accession no. BZ293221	A	HYBRIDIZATION IN MICROTIRE PLATES FOR CHICKEN ANAEMIA VIRUS" MOLECULAR AND CELLULAR PROBES, ACADEMIC PRESS LTD, GB, vol. 15, no. 1, February 2001 (2001-02), pages 1-11, XP001147365 ISSN: 0890-8508	
2 November 2002 (2002-11-02), "KD2317.p1 Kluyveromyces delphensis Random Genomic Library Kluyveromyces delphensis genomic clone KD2317, DNA sequence." XP002319768 retrieved from EBI accession no. EM PRO:BZ303298 Database accession no. BZ303298 the whole document A DATABASE EMBL [Online] 2 November 2002 (2002-11-02), "CG0215.f1 Candida glabrata Random Genomic Library Candida glabrata genomic clone CG0215, DNA sequence." XP002319769 retrieved from EBI accession no. EM_PRO:BZ293221 Database accession no. BZ293221	A	OF ESCHERICHIA COLI AND ENTERIC BACTERIA IN WATER, BEVERAGES ANS SPROUTS BY 16S RRNA IN SITU HYBRIDIZATION" FOOD MICROBIOLOGY, ACADEMIC PRESS LTD, LONDON, GB, vol. 17, no. 3, June 2000 (2000-06), pages 305-313, XP001077708 ISSN: 0740-0020	
2 November 2002 (2002-11-02), "CG0215.f1 Candida glabrata Random Genomic Library Candida glabrata genomic clone CG0215, DNA sequence." XP002319769 retrieved from EBI accession no. EM PR0:BZ293221 Database accession no. BZ293221	A	2 November 2002 (2002-11-02), "KD2317.p1 Kluyveromyces delphensis Random Genomic Library Kluyveromyces delphensis genomic clone KD2317, DNA sequence." XP002319768 retrieved from EBI accession no. EM_PR0:BZ303298 Database accession no. BZ303298	·
	A	2 November 2002 (2002-11-02), "CG0215.f1 Candida glabrata Random Genomic Library Candida glabrata genomic clone CG0215, DNA sequence." XP002319769 retrieved from EBI accession no. EM_PR0:BZ293221 Database accession no. BZ293221	

IN TRNATIONAL SEARCH REPORT

Information on patent family members

Interponal Application No PCT/EP2004/010695

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 02103043	A 27-12-2002	DE 10129410 A1 CA 2451067 A1 WO 02103043 A2 EP 1397519 A2 JP 2004529662 T US 2004219574 A1	02-01-2003 27-12-2002 27-12-2002 17-03-2004 30-09-2004 04-11-2004
WO 0077259	A 21-12-2000	WO 0077259 A1	21-12-2000
WO 0153316	4 26-07-2001	US 6287779 B1 AU 2953001 A WO 0153316 A1	11-09-2001 31-07-2001 26-07-2001
WO 9855649	A 10-12-1998	US 6180339 B1 AU 7349198 A EP 0985051 A1 WO 9855649 A1 JP 2002504817 T	30-01-2001 21-12-1998 15-03-2000 10-12-1998 12-02-2002
DE 19934510	41 25-01-2001	AU 6825500 A WO 0107649 A2	13-02-2001 01-02-2001
WO 03097868	4 27-11-2003	WO 03097868 A1 AU 2003222683 A1	27-11-2003 02-12-2003
WO 2004063699	29-07-2004	AU 2003302326 A1 WO 2004063699 A2 US 2004265850 A1	10-08-2004 29-07-2004 30-12-2004

Internationales Aktenzeichen PC EP2004/010695

A. KLASSIFIZIERUNG DES ANMELDUNGSGEGENSTANDES IPK 7 C12Q1/70 C12Q1/68

Nach der Internationalen Patentklassifikation (IPK) oder nach der nationalen Klassifikation und der IPK

B. RECHERCHIERTE GEBIETE

Recherchierter Mindestprüfstoff (Klassifikationssystem und Klassifikationssymbole) IPK 7 C12Q

Recherchierte aber nicht zum Mindestprüfstoff gehörende Veröffentlichungen, soweit diese unter die recherchierten Gebiete fallen

Während der Internationalen Recherche konsultierte elektronische Datenbank (Name der Datenbank und evtl. verwendete Suchbegriffe)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS, Sequence Search

CLAUDIA; SNAIDR, JIRI) 27. Dezember 2002 (2002-12-27) Ansprüche 2,4,8 WO 00/77259 A (BOSTON PROBES, INC) 21. Dezember 2000 (2000-12-21) Ansprüche 46-48 Seite 5, Absatz 3 Beispiel 12	ıtegorie°	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht kommenden Teile	Betr. Anspruch Nr.
Ansprüche 2,4,8 W0 00/77259 A (BOSTON PROBES, INC) 21. Dezember 2000 (2000-12-21) Ansprüche 46-48 Seite 5, Absatz 3 Beispiel 12 W0 01/53316 A (E. & J. GALLO WINERY) 26. Juli 2001 (2001-07-26) das ganze Dokument 41,42 1,2, 54-56 41,42	(CLAUDIA: SNAIDR, JIRI)	
21. Dezember 2000 (2000-12-21) Ansprüche 46-48 Seite 5, Absatz 3 Beispiel 12 WO 01/53316 A (E. & J. GALLO WINERY) 26. Juli 2001 (2001-07-26) das ganze Dokument 54-56 41,42	1	27. Dezember 2002 (2002-12-27) Ansprüche 2,4,8	41,42
Ansprüche 46-48 Seite 5, Absatz 3 Beispiel 12 WO 01/53316 A (E. & J. GALLO WINERY) 26. Juli 2001 (2001-07-26) das ganze Dokument	(WO 00/77259 A (BOSTON PROBES, INC) 21. Dezember 2000 (2000-12-21)	54-56
das ganze Dokument	1	Ansprüche 46-48 Seite 5, Absatz 3	41,42
-/	(,	WO 01/53316 A (E. & J. GALLO WINERY) 26. Juli 2001 (2001-07-26) das ganze Dokument	
		-/	

Weitere Veröffentlichungen sind der Fortsetzung von Feld C zu entnehmen	X Slehe Anhang Patentfamilie
Besondere Kategorien von angegebenen Veröffentlichungen: "A" Veröffentlichung, die den allgemeinen Stand der Technik definiert, aber nicht als besonders bedeutsam anzusehen ist "E" ällteres Dokument, das jedoch erst am oder nach dem internationalen Anmekledatum veröffentlicht worden ist "L" Veröffentlichung, die geeignet ist, einen Prioritätsanspruch zweifelhalt erscheinen zu lassen, oder durch die das Veröffentlichungsdatum einer anderen im Recherchenbericht genannten Veröffentlichung belegt werden soll oder die aus einem anderen besonderen Grund angegeben ist (wie ausgeführt) "O" Veröffentlichung, die sich auf eine mündliche Offenbarung, eine Benutzung, eine Ausstellung oder andere Maßnahmen bezieht "P" Veröffentlichung, die vor dem internationalen Anmeldedatum, aber nach dem beanspruchten Prioritätsdatum veröffentlicht worden ist	kann nicht als auf erfinderischer Fatigkeit peruferit deu der ihre werden, wenn die Veröffentlichung mit einer oder mehreren anderen Veröffentlichungen dieser Kategorie in Verbindung gebracht wird und diese Verbindung für einen Fachmann nahellegend ist "&" Veröffentlichung, die Mitglied derselben Patentfamilie ist
Datum des Abschlusses der internationalen Recherche	Absendedatum des internationalen Recherchenberichts
2. März 2005	0 3 -08- 2005
Name und Postanschrift der Internationalen Recherchenbehörde Europäisches Palentamt, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	Bevollmächtigter Bediensteter
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bellmann, A

Internationales Aktenzeichen
PEP2004/010695

		Pt EF2004/010093
	ung) ALS WESENTLICH ANGESEHENE UNTERLAGEN Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht komme	enden Teile Betr. Anspruch Nr.
Kategorie°	редендининд ден меноненционому, эсмон опонденция дикен жидале одния рев'яст колиле	man I and Dan Friedrich III.
X	JAMES S A ET AL: "Use of an rRNA internal transcribed spacer region to distinguish phylogenetically closely related species of the genera Zygosaccharomyces and Torulaspora" INTERNATIONAL JOURNAL OF SYSTEMATIC BACTERIOLOGY, SOCIETY FOR GENERAL MICROBIOLOGY, READING, GB, Bd. 46, Nr. 1, Januar 1996 (1996-01), Seiten 189-194, XP002102425 ISSN: 0020-7713 das ganze Dokument	1,2, 54-56
X	WO 98/55649 A (CHIRON DIAGNOSTICS CORPORATION; SANDHU, GURPREET, S; KLINE, BRUCE, C) 10. Dezember 1998 (1998-12-10) Ansprüche 1-5	1,2, 54-56
x	DE 199 34 510 A1 (VERMICON ENGINEERING & MICROBIOLOGY AG) 25. Januar 2001 (2001-01-25) Ansprüche 1,2,6,10,18	1,2, 54-56
P , X	WO 03/097868 A (MICROBIOGEN PTY LTD; BELL, PHILIP, JOHN, LIVINGSTON) 27. November 2003 (2003-11-27) Ansprüche 1,3,18,45 Seite 1 - Seite 2	1,2, 54-56
P,X	WO 2004/063699 A (THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION; WANG, HUA; LUO, HONGLIA) 29. Juli 2004 (2004-07-29) Seite 1 - Seite 2	1,2, 54-56
Y	MORRISON L E ET AL: "Solution-phase detection of polynucleotides using interacting fluorescent labels and competitive hybridization" ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, NEW YORK, NY, US, Bd. 183, Nr. 2, Dezember 1989 (1989-12), Seiten 231-244, XP002113097 ISSN: 0003-2697 das ganze Dokument	41,42
A	BRETAGNE S ET AL: "DETECTION OF ASPERGILLUS SPECIES DNA IN BRONCHOALVEOLAR LAVAGE SAMPLES BY COMPETITIVE PCR" JOURNAL OF CLINICAL MICROBIOLOGY, WASHINGTON, DC, US, Bd. 33, Nr. 5, Mai 1995 (1995-05), Seiten 1164-1168, XP000874668 ISSN: 0095-1137 das ganze Dokument	
	-/	

Internationales Aktenzeichen
PC EP2004/010695

		PC EP2004/010695	
C.(Fortsetz	ung) ALS WESENTLICH ANGESEHENE UNTERLAGEN		
Kategorie*	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht kommen	nden Teile Betr. Anspruch Nr.	
A	NOVAK R ET AL: "COMPETITIVE DNA HYBRIDIZATION IN MICROTIRE PLATES FOR CHICKEN ANAEMIA VIRUS" MOLECULAR AND CELLULAR PROBES, ACADEMIC PRESS LTD, GB, Bd. 15, Nr. 1, Februar 2001 (2001-02), Seiten 1-11, XP001147365 ISSN: 0890-8508 das ganze Dokument		
A	TORTORELO M L ET AL: "DIRECT ENUMERATION OF ESCHERICHIA COLI AND ENTERIC BACTERIA IN WATER, BEVERAGES ANS SPROUTS BY 16S RRNA IN SITU HYBRIDIZATION" FOOD MICROBIOLOGY, ACADEMIC PRESS LTD, LONDON, GB, Bd. 17, Nr. 3, Juni 2000 (2000-06), Seiten 305-313, XP001077708 ISSN: 0740-0020 das ganze Dokument		
A	DATABASE EMBL [Online] 2. November 2002 (2002-11-02), "KD2317.p1 Kluyveromyces delphensis Random Genomic Library Kluyveromyces delphensis genomic clone KD2317, DNA sequence." XP002319768 gefunden im EBI accession no. EM_PR0:BZ303298 Database accession no. BZ303298 das ganze Dokument		
A	DATABASE EMBL [Online] 2. November 2002 (2002-11-02), "CG0215.f1 Candida glabrata Random Genomic Library Candida glabrata genomic clone CG0215, DNA sequence." XP002319769 gefunden im EBI accession no. EM_PRO:BZ293221 Database accession no. BZ293221 das ganze Dokument		
1		į –	

Formblatt PCT/ISA/210 (Fortsetzung von Blatt 2) (Januar 2004)

Angaben zu Veröffentlichu die zur selben Patentfamilie gehören

Internationales Aktenzeichen PC EP2004/010695

Im Recherchenbericht angeführtes Patentdokumen	nt	Datum der Veröffentlichung		Mitglied(er) der Patentfamilie		Datum der Veröffentlichung
WO 02103043	A	27-12-2002	DE CA WO EP JP US	10129410 2451067 02103043 1397519 2004529662 2004219574	A1 A2 A2 T	02-01-2003 27-12-2002 27-12-2002 17-03-2004 30-09-2004 04-11-2004
WO 0077259	Α	21-12-2000	WO	0077259	A1	21-12-2000
WO 0153316	Α	26-07-2001	US AU WO	6287779 2953001 0153316	A	11-09-2001 31-07-2001 26-07-2001
WO 9855649	A	10-12-1998	US AU EP WO JP	6180339 7349198 0985051 9855649 2002504817	A A1 A1	30-01-2001 21-12-1998 15-03-2000 10-12-1998 12-02-2002
DE 19934510	A1	25-01-2001	AU WO	6825500 0107649		13-02-2001 01-02-2001
WO 03097868	Α	27-11-2003	WO AU	03097868 2003222683		27-11-2003 02-12-2003
WO 2004063699	Α	29-07-2004	AU WO US	2003302326 2004063699 2004265850	A2	10-08-2004 29-07-2004 30-12-2004
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